



Receipt date: 12/19/2005

10514429 - GATH 2881

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# TRANSMITTAL FORM

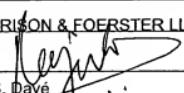
(to be used for all correspondence after initial filing)

Application Number	10/514,429
Filing Date	July 12, 2005
First Named Inventor	Robert DWILINSKI
Art Unit	2879
Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	4
Attorney Docket Number	204552033800

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):  1. Form PTO/SB/08a/b (1 page) 2. Copies of IDS Citations (6 refs) 3. Return Receipt Postcard
<b>Remarks</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

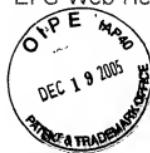
Firm Name	MORRISON & FOERSTER LLP		
Signature			
Printed name	Raj S. Dave		
Date	December 19, 2005	Reg. No.	42,465

/Michael Logie/

va-146123

05/29/2008

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.L./



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Robert DWILINSKI et al.

Serial No.: 10/514,429

Filing Date: July 12, 2005

For: PHOSPHOR SINGLE CRYSTAL  
SUBSTRATE AND METHOD FOR  
PREPARING THE SAME, AND  
NITRIDE SEMICONDUCTOR DEVICE  
USING THE SAME

Examiner: Not Yet Assigned

Group Art Unit: 2879

**SUPPLEMENTAL INFORMATION DISCLOSURE  
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO/SB/08a/b. Copies of the non-patent literature are also submitted herewith. The Examiner is requested to make these documents of record.

Six of the documents listed on the attached Form PTO/SB/08a/b (Cite Nos. 13-18) were cited in a Notification mailed September 27, 2005, directed to a related foreign application JP2003-503864, and have not been previously cited; one of the documents listed on the attached Form PTO/SB/08a/b (Cite No. 12) was cited in an Office Action mailed October 19, 2005, directed to a related application US 10/147,319, and has not been previously cited; two of the documents listed on the attached Form PTO/SB/08a/b (Cite Nos. 1 and 2) were cited in an Office Action mailed October 4, 2005, directed to a related application US 10/479,858, and have not been previously cited; and nine of the documents listed on the attached Form PTO/SB/08a/b (Cite Nos. 3-11) were cited in an Office Action mailed November 4, 2005, directed to a related

application US 10/493,747, and have not been previously cited. A certification under 37 C.F.R. § 1.97(e)(1) follows:

I hereby certify that each item of information was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Supplemental Information Disclosure Statement.

This Information Disclosure Statement is submitted within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required.

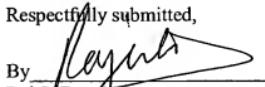
Applicants would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

The information contained in this Supplemental Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicants petitions for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 03-1952 referencing 204552033800.

Dated: December 19, 2005

Respectfully submitted,

By   
Raj S. Dave

Registration No.: 42,465  
Morrison & Foerster LLP  
1650 Tysons Boulevard, Suite 300  
McLean, Virginia 22102  
Telephone: 703.760.7700  
Facsimile: 703.760.7777

/Michael Logie/



Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

1

		Complete if Known	
Application Number		10/514,429	
Filing Date		July 12, 2005	
First Named Inventor		Robert DWILINSKI	
Art Unit		2879	
Examiner Name		Not Yet Assigned	
Attorney Docket Number		204552033800	

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.*	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/M.L.	1.	5,096,860-A	03-17-1992	NADKARNI	
	2.	5,589,153-A	12-31-1996	GARCES	
	3.	6,252,261-B1	06-26-2001	USUI	
	4.	6,468,882-B2	10-22-2002	MOTOKI	
	5.	6,509,651-B1	01-21-2003	MATSUBARA	
	6.	6,720,586-B1	04-13-2004	KIDOGUCHI	
	7.	2002/0014631-A1	02-07-2002	IWATA	
	8.	2002/0031153-A1	03-14-2002	NIWA	
	9.	2002/0047113-A1	04-25-2002	OHNO	
	10.	2002/0063258-A1	05-30-2002	MOTOKI	
	11.	2002/0078881-A1	06-27-2002	CUOMO	
	12.	2004/0139912-A1	07-22-2004	TOMASZ DWILINSKI	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.*	Foreign Patent Document Country Code*+Number+Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/M.L.					1*

\*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). <sup>1</sup>See Kinds Codes of USPTO Patent Documents at [uspto.gov](http://uspto.gov) or MPEP 901.4. <sup>2</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>5</sup>Applicant is to place a check mark here if English language Translation is attached.

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/M.L.	13.	Akasaki, I. et al. (1991). "Growth and Properties of Single Crystalline GaN Films by Hydride Vapor Phase Epitaxy," <i>Crystal Properties and Preparation</i> 32-34: 154-157.	
	14.	Chu, T. L. et al. (1974). "Crystal Growth and Characterization of Gallium Nitride," <i>J. Electrochem. Soc.: SOLID-STATE SCIENCE AND TECHNOLOGY</i> 121-1: 159-162.	
	15.	Kaschner, A. et al. (1999). "Influence of Doping on the Lattice Dynamics of Gallium Nitride," <i>MRS Internet J. Nitride Semicond. Res.</i> 4S1, G3.57.	
	16.	Kim, S. T. et al. (1998). "Preparation and Properties of Free-standing HVPE Grown GaN Substrates," <i>Journal of Crystal Growth</i> 194:37-42.	
	17.	Kuroda, Naotsu et al. (1998). "Precise Control of Pn-junction Profiles for GaN-based LD structures Using GaN Substrates with Low Dislocation Densities," <i>Journal of Crystal Growth</i> 189/190:551-555.	
	18.	Motoki, Kensaku et al. (2001). "Preparation of Large Freestanding GaN Substrates by Hydride Vapor Phase Epitaxy Using GaAs as a Starting Substrate," <i>J. Appl. Phys.</i> 40:L140-L143.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Michael Logie/	Date Considered	05/29/2008
--------------------	-----------------	-----------------	------------

va-145120

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.L./